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Attorney Docket No. P69451US1

UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of Andreas EBNETH et al.

Serial No.: 10/586,329

Filed: July 14, 2006

For: METHOD FOR EXAMINING THE ACTIVITY OF ION CHANNELS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

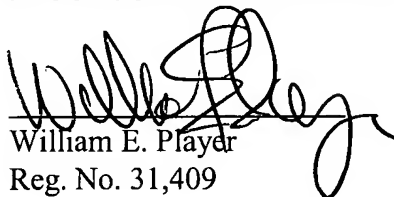
In accordance with the duty of disclosure, references are cited on the attached Form PTO-1449 and, as appropriate, copies of the cited references are attached. Relevance of cited references is indicated in the attached International Search Report of International Application No. PCT/EP2005/000301 and the European Search Report of EP 04 00 0721, which are corresponding foreign applications.

This paper is being filed before first action on the merits or within 3 months of the application filing date or date of entry into the national stage. Accordingly, no fee is required. Should a fee be required, please charge it to Deposit Account No. 06-1358.

Respectfully submitted,

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Date: October 25, 2006
WEP/jhr

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FORM PTO 1449 (modified)

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U.S. PATENT DOCUMENTS

Examiner ¹	Ref. #	Document No.	Date	Patentee/Applicant

FOREIGN PATENT DOCUMENTS

	Country	Document No.	Translation	Abstract	Date	Patentee
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			<input type="checkbox"/>	<input type="checkbox"/>		
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NON-PATENT DOCUMENTS

Examiner ¹	Ref. #	Author (in CAPITAL LETTERS), Title, Book or Periodical, Volume, Date, Pages)
		HARPER, JACQUIE L. et al., "Store-operated calcium channels in HL-60 cells: Effects of temperature, differentiation and loperamide" Life Sciences, Bd. 67, NR. 6, 30. June 2000, pgs. 651-662
		ZHOU, ZHENG FENG et al., "Properties of HERG Channels Stably Expressed in HEK 293 Cells Studied at Physiological Temperature" January 1998, Biophysical Journal, Vol. 74, NR. 1 pgs. 230-241
		ZHOU, Z. et al., "Correction of Defective Protein Trafficking of a Mutant HERG Potassium Channel in Human Long QT Syndrome. Pharmacological and Temperature effects." October 29, 1999, The Journal of Biological Chemistry, Vol. 274, NR. 44, pgs. 31123-31126
		WANG, JIXIN et al., "Functional and pharmacological properties of canine ERG potassium channels" American Journal of Physiology. Heart and Circulatory Physiology, January 2003, pgs. H256-H267
		TANG, WEIMIN et al., "Development and Evaluation of High Throughput Functional Assay Methods for hERG Potassium Channel," Journal of Biomolecular Screening, 6(5), 325-331
		BAXTER, DEBORAH F. et al., "A Novel Membrane Potential-Sensitive Fluorescent Dye Improves Cell-Based Assays for Ion Channels" Journal of Biomolecular Screening, 7(1), 79-85

Examiner Signature

Date Considered

¹Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 2

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FOREIGN PATENT DOCUMENTS

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	WO	02/31508 A1	<input type="checkbox"/>	<input type="checkbox"/>	04-18-2002	BRISTOL-MYERS SQUIBB COMPANY
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

NON-PATENT DOCUMENTS

Examiner [†]	Ref. #	Author (in CAPITAL LETTERS), Title, Book or Periodical, Volume, Date, Pages)
		SIEM-FUNG, D. J. et al., "The Effect of Temperature on Veratridine Action in Squid Giant Axons" <i>Biochimica et Biophysica Acta</i> , vol. 728, no. 3, 1983, pgs. 305-310
		KIM, C. S. et al., "Voltage-dependent calcium channels in ventricular cells of rainbow trout: effect of temperature changes in vitro." <i>American Journal of Physiology, Regulatory, Integrative and Comparative Physiology</i> , June 2000, vol. 278, no. 6, June 2000
		MITSUIYE TAMOTSU et al., "Temperature Dependence of the Inward Rectifier K ⁺ Channel Gating in Guinea-Pig Ventricular Cells" <i>Japanese Journal of Physiology</i> , vol. 47, no. 1, 1997, pgs. 73-79
		CHUNG, SHIN-HO et al., "Changes in the kinetics and conductance of N-methyl-D-aspartate (NMDA)-receptor activated single channels with temperature" <i>Neuroscience Letters</i> , vol. 187, no. 3, 1995, pgs. 181-184
		DING, J. P. et al., "Modulation of mechanosensitive calcium-selective cation channels by temperature." <i>The Plant Journal: For Cell and Molecular Biology</i> , May 1993, vol. 3, no. 5, May 1993, pgs. 713-720
		NETZER, RAINER et al., "Screening lead compounds for QT interval prolongation" <i>Drug Discovery Today</i> , Elsevier Science Ltd., GB., vol. 6, no. 2, January 2001, pgs. 78-84
		NUMANN, R. et al., "High-Throughput Screening Strategies for Cardiac Ion Channels" <i>Trends in Cardiovascular Medicine</i> 2001 United States, vol. 11, no. 2, 2001, pgs. 54-59

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